# BILLY GOAT®



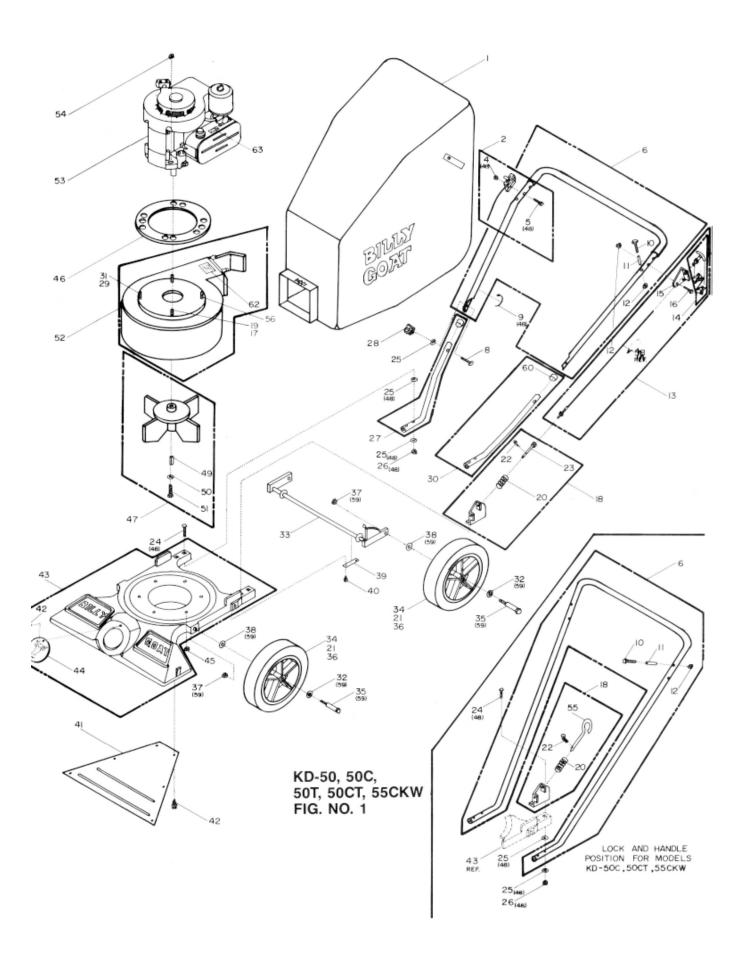
INDUSTRIES, INC.

## vacuum cleaner

Models No. KD-50. KD-50C KD-50T, KD-50CT, KD-55CKW



**OWNER'S MANUAL** 



PART NO. 900183 FORM NO. 122887

BERTERMEN, SOUTH   1	item no.	PARTS LIST	KD55CKW Part No.	QTY	KD50C Part No.	QTY	KD50 Part No.	QTY	KD50CT Part No.	QTY	KD50T Part No.	QTY
3   CONDUT	1	BAG FELT (RENTAL 900751)	900650	1	900650	1	900650	1	900650	1	900650	1
1	2	THROTTLE ASSEMBLY (INC. (2) of 4, 5, 11)	900343-01	1	900604	1	900343	1	900514-02	1	900343	1
5   SPRMY	3											
B	4	LOOKNUT	-	-	-	-	8164005	2	8160001	1	8164005	2
S   SCHICAPP16-18 / 2   14			-	-	-	-	8059142	2	8041008	1	8059142	2
B   STANKAPP STR- 19 x 2 9 4	6	HANDLE ASSY (INC. (2) OF 10,11,12)	900007	1	900007	1	900549	1	900007	1	900549	1
9   TWARP	7											
10   SEPMANCHETICARY 2"   989943   2   859944   2   859944   2   859944   2   859944   2   859944   2   859944   2   829	8	SCREWCAP5/16-18 x 2 1/4	-	1	-	-	900547	2	-	-	900547	2
11   REBERCREMMET	9	TY WRAP	-	-	-	-	900407	2	900407	2	900407	2
12 NITLOCK #FID-24	10	SCREW MACH#10-24 x 2"	8059143	2	8059143	2	8059143	2	8059143	2	8059143	2
33 OBJECONING ASSY	11	RUBBER GROMMET	900141	2	900141	2	900141	2	900141	2	900141	2
14	12	NUT LOCK #10-24	8164005	2	8164005	2	8164005	2	8164005	2	8164005	2
15   BACKETHI ADJ.	13	CABLE CONTROL ASSY	-	ŀ	-	-	900155	1	ı	-	900155	1
16   SCRWIMACH-1902-xt 1/14	14	CONTROL CABLE ASSY	-	ı	-	-	900145	1	1	-	900145	1
17   MS-PENLOCK STS	15	BRACKET HT. ADJ.	-	ı	•	-	900144	1	ı	-	900144	1
18	16	SCREW MACH#10-24 x 1 1/4	-	•		-	8059140	2		-	8059140	2
19   SPRW/CAPS/MM 39MM	17	WASHER LOOK EXT 5/16	8181008	3	-	-	-	1	1	-	-	-
20   SPRIC   90106   1 90107   1 9	18	LOOK ASSY	900164	1	900164	1	900142	1	900164	1	900142	1
PRICALY	19	SCREW CAP 8 MM x 35MM	900242	3	-	-	-	-	-	-	-	-
22   IN-NURCOTTER	20	SPRING	900136	1	900136	1	900136	1	900136	1	900136	1
23   RINSERASSY	21	TIREONLY	900507	1	900507	1	900507	1	900507	1	900507	1
24   BOLT CARRACES FIG-18 x 1 3/4	22	PIN HAIR COTTER	900471	1	900471	1	900471	1	900471	1	900471	1
MSS-ERC   16   8   8172008   8   8172008   8   8172008   8   8172008   0   8172008   8   8172008   0   0   8172008   8   8172008   0   0   8172008   0   0   0   0   0   0   0   0   0	23	PLUNGER ASSY	-	-	-	-	900138	1	-	-	900138	1
28 NATILOX (5/16-18	24	BOLT CARRAIGE 5/16-18 x 1 3/4	8024043	4	8024043	4	8024043	4	8024043	4	8024043	4
AND LESTUB RHASSY	25	WASHER 5/16 SAE	8172008	8	8172008	8	8172008	10	8172008	8	8172008	10
28   NADINCE    -   -   -   -   -   000456   2   -   -   900456   2	26	NUT LOCK 5/16-18	8160002	4	8160002	4	8160002	4	8160002	4	8160002	4
29   WAS-ERLOX(5/16	27	HANDLE STUB RHASSY	-	-	-	-	900584	1	-	-	900584	1
30   HANDESTIBLIHASSY	28	HAND KNOB	-	-	-	-	900456	2	-	-	900456	2
31   SCREWCAP5/II6-18 x 3/4	29	WASHER LOCK 5/16	-	-	-	-	-	-	8177011	1	8177011	1
32 WASHERKOWHEEL	30	HANDLE STUB LH ASSY	-	-	-	-	900585	1	-	-	900585	1
33   REAR AXLEFRAMEWA   900115   1   900100   4   9000000   4   900000   4   900000   4   900000   4   900000   4   900000   4   900000   4   900000   4   900000   9   9   900000   9   9   900000   9   9	31	SCREWCAP 5/16-18 x 3/4	-	-	-	-	-	-	8041026	1	8041026	1
34 WHEL ASSY CAST	32	WASHER KD WHEEL	900230	4	900230	4	900230	4	900230	4	900230	4
SHOULDERBOLT	33	REAR AXLE FRAME WA	900115	1	900115	1	900115	1	900115	1	900115	1
SEARNG CNLY	34	WHEEL ASSY CAST	900509	4	900509	4	900509	4	900509	4	900509	4
37 NUTLOCK 3/8-16	35	SHOULDER BOLT	800508	4	800508	4	800508	4	800508	4	800508	4
38 WASHER	36	BEARING ONLY	900498	2	900498	2	900498	2	900498	2	900498	2
39 HOLD DOWN PLATE	37	NUT LOOK 3/8-16	8160003	4	8160003	2	8160003	4	8160003	2	8160003	4
40 SHETIMETAL SCREW 1/4 x 3/4 8122082 4 812208	38	WASHER	8172018	4	8172018	4	8172018	4	8172018	4	8172018	4
41   BOTTOMCOVER	39	HOLD DOWN PLATE	900123	2	900123	2	900123	2	900123	2	900123	2
42 SCREW SELF TAPPING  8123086 7 812	40	SHEET METAL SCREW 1/4 x 3/4	8122082	4	8122082	4	8122082	4	8122082	4	8122082	4
43 MANFRAME ASSY 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900579 1 900146 1 900141 1 900111 1 900143 1 900143 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900243 1 900146 1 9001	41	BOTTOMCOVER	900121	1	900121	1	900121	1	900121	1	900121	1
44   PLUG   900146   1   900141   1   900141   1   900141   1   900141   1   900141   1   900141   1   900141   1   900141   1   90097   1	42	SCREW SELF TAPPING	8123086	7	8123086	7	8123086	7	8123086	7	8123086	7
8161041   6   8161041   1   800411   1   800411   1   1   800411   1   1   1   1   1   1   1   1   1	43	MAINFRAMEASSY	900579	1	900579	1	900579	1	900579	1	900579	1
46   GASKET			900146	1	900146	1	900146	1	900146	1	900146	1
47         MFELLER ASSY (INC. 49,50,51)         900255         1         800988         1         800987         1         800097         1           48         KD PARTS BAG HANDLE ASSY         900475         1         90475         1         -         -         900475T         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121         1         9201121			8161041	6	8161041	6	8161041	6	8161041	6		6
48 KD PARTS BAG HANDLE ASSY  900475  1 900475  1 9201121  1 900243  1 900243  1 900243  1 900243  1 900243  1 900257  1 900257  1 900257  1 900257  1 900257  1 900257  1 900267  1 900166  1 900166  1 900166  1 900166  1 900166  1 900166  1 900166  1 900165	46		-	-		1	800411	1		1	800411	1
49         KEY         9201121         1         400502         1         400502         1         400502         1         400502         1         400502         1         400502         1         900243         1         900243         1         900243         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257	47	IMPELLER ASSY (INC. 49,50,51)	900255	1	800988	1	800988	1	800097	1	800097	1
50       WASHER LOCK 3/8 TWIST TOOTH       400502       1       900257       1       900257       1       900257       1       900257       1       900256       1       900166       1       900166       1       900166       1       900166       1       900166       1       900166       1       9001				1		1		-		1	-	<u> </u>
51         CAPSCREW (HARDENED)         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900243         1         900257         1         900165         1         900165         1         900165         1         900165         1         900165         1         900165         1         900165         1         900165         1												
52         HOUSING ASSY         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900257         1         900166T         1         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165	50			1		1		1		1	400502	1
53         BNGINE         900244         1         900166         1         900166T         1         900165T         1         9				1		1		1		1		1
54 NJT LOCK 5/16-18       8160002       3       8160002       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       4       8041029       1       8041029       <				1		1		1		1		1
55         PLUNCER         900165         1         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         900165         1         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-01         1         -         -         900145-02         1         -         -         900145-02         1         -         -         900145-02         1         -         -         900145-02         1         -         -         900145-02         1         -         -         900145-02         1         -         -         900145-02         1 <td></td>												
56       SCREWCAP5/16·18 x 1 1/4       8041029       3       8041029       4 <t< td=""><td></td><td></td><td>8160002</td><td>3</td><td>8160002</td><td>4</td><td>8160002</td><td>4</td><td>8160002</td><td>4</td><td>8160002</td><td>4</td></t<>			8160002	3	8160002	4	8160002	4	8160002	4	8160002	4
57         HANDLE AND CABLE         -         -         -         900145-01         1         -         900145-01         1           58         SLEEVE AND HARDWARE         -         -         -         -         900145-02         1         -         -         900145-02         1           59         KD PARTIS BAG WHELL ASSY         900476         1         900392         2         -         -         800392         2         -         -         800392         2         -         -         800392         2         -         -         800392         2			900165		900165	1		-	900165	1	-	-
58         SLEEVE AND HARDWARE         -         -         -         900145-02         1         -         -         900145-02         1         -         900145-02         1         -         -         900476         1         900392         2         -         -         800392         2         -         -         800392         2         -         -         800392         2         -         -         800392         2         -			8041029	3	8041029	4	8041029	4	8041029	4	8041029	4
59         kD PARTS BAG WHEL ASSY         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900476         1         900392         2         -         -         800392         2         -         -         800392         2           61         CAP END 1"         BO0326         BO0326         1         900326         1         900326         1         900326         1         900326         1         900326         1         900326         1         900326         1         900326         1         900326         1         900326         1	57	HANDLE AND CABLE	-	-	-	-	900145-01	1	-	-	900145-01	1
60 CAPEND1" 800392 2 800392 2 61	58	SLEEVE AND HARDWARE	-	-	-	-	900145-02	1	-	-	900145-02	1
61         900326         1	59	KD PARTS BAG WHEEL ASSY	900476	1	900476	1	900476	1	900476	1	900476	1
62 LABEL CAUTION HANDS AND FEET 900326 1 900326 1 900326 1 900326 1 900326 1	60	CAPEND1"	-	-	-	-	800392	2	-	-	800392	2
	61											
63 LABEL CAUTION HOT BNGINE 400268 1 400268 1 400268 1 400268 1 400268 1	62	LABEL CAUTION HANDS AND FEET	900326	1	900326	1	900326	1	900326	1	900326	1
	63	LABEL CAUTION HOT ENGINE	400268	1	400268	1	400268	1	400268	1	400268	1

PART NO. 900183 FORM NO. 122887

### SAFETY PRECAUTIONS

Like all mechanical tools, reasonable care must be used when operating the machine. Read all instructions!

- 1. Disconnect spark plug wire before servicing
- 2. Do not put gas in tank when hot or in an enclosed area.
- 3. Do not start engine or operate with bag or guards removed.
- Keeps hands and feet clear of ALL inlet and discharge openings.
- 5. Do not operate with hose cap, bag, or hose removed.
- 6. Do not operate during excessive vibration!
- Follow engine manufacturer operating and maintenance instructions.
- 8. Inspect machine and work area before starting unit.
- Installation of debris bag- Make sure strap is tight and well secured.
- 10. Be sure zipper is closed before starting engine.

DUST IS THE GREATEST CAUSE OF LOST VACUUM! SHAKE BAG WELL AFTER EACH EMPTYING. RUN EN-GINE AT HALF THROTTLE FOR FIRST HALF HOUR TO CONDITION NEW

#### **MAINTENANCE**

- 1. ENGINE: See engine manufacturer instructions.
- 2. Inspect machine before starting unit.
- Maximum vacuum: Maintain by emptying bag before it fills completely. Dust will block pores of bag and reduce vacuum. Stop motion and shake bag down without removing or stop machine and remove bag to shake free of dust. You may wash felt bags.

REPLACE SPARK PLUG WIRE, GUARDS, BAG, CAPS AND/OR HOSE BEFORE STARTING ENGINE.

#### **ASSEMBLY**

Your Billy Goat is shipped from the factory in one carton, completely assembled except for the debris bag, and wheels. On models KD50C and KD55CKW the handle must be assembled.

- READ operator's instructions. Assemble wheels and handle securely in place. Do not over tighten.
- UNFOLD the debris bag 1 and place mouth of bag over debris deflector and onto discharge outlet. Close zipper before starting engine.
- TIGHTEN STRAP SECURELY to hold bag on discharge outlet.
- ATTACH upper bag hanger straps by sliding grommet over rubber stud and on upper handle after handle is locked in place.

#### **PUT OIL IN ENGINE BEFORE OPERATION!**

#### **OPERATION**

**ENGINE:** Must have gasoline and oil. See engine manufacturer operating instructions for type and amount. Engine must be level when checking and filling oil and gasoline. Never operate without aircleaner.

**SPEED:** Controlled by throttle lever on right side of handle, on model KD50C the throttle lever is on the engine with the stop switch. Under normal conditions operate at minimum throttle to accomplish your current cleaning task.

BAG: Do not place on or near hot surface.

**VACUUM NOZZLE HEIGHT:** This is raised and lowered by lifting slightly up on handle and pulling top left control. On models KD50C and KD55CKW pull lever 55.



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